Actively Cooled Laser Bar Stack

*A-Stack* λ930-940nm

**Features:**
- Improved cooling efficiency
- No “smile” effect
- Bars on demand
- Central wavelength on demand

**Suitable for:**
- Hair Removal
- Surgical Cardiology
- Ophthalmology
- Aesthetics
- Odontology
- Material processing
- Gated imaging

*A-Stack* λ930-940nm | 1 bar package

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**A-Stack / 930–940nm**

Product specification are subject to change without notice. For complete details, please contact your local MONOCROM sales representative.

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**UNE EN ISO 9001:2015**
### Laser Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>actively cooled stack</td>
</tr>
<tr>
<td>Wavelength [nm]</td>
<td>930 - 950</td>
</tr>
<tr>
<td>Wavelength tolerance [nm]</td>
<td>±20</td>
</tr>
<tr>
<td>Spectral width [nm]</td>
<td>3</td>
</tr>
<tr>
<td>Wavelength shift [nm/K]</td>
<td>0.27</td>
</tr>
<tr>
<td>Output power [W]</td>
<td>CW - up to 120 / QCW - up to 300</td>
</tr>
<tr>
<td>Operating current [A]</td>
<td>CW &lt; 120 / QCW &lt; 320</td>
</tr>
<tr>
<td>Efficiency coefficient [W/A]</td>
<td>1.2</td>
</tr>
<tr>
<td>Voltage @ connectors [V]</td>
<td>2 - 30</td>
</tr>
<tr>
<td>Bar to bar pitch [mm]</td>
<td>down to 1.5</td>
</tr>
<tr>
<td>Optics (optional)</td>
<td>FAC / SAC / BT</td>
</tr>
<tr>
<td>Bars per stack [bars]</td>
<td>1 - 15</td>
</tr>
<tr>
<td>Smile [µm]</td>
<td>&lt; 0.3</td>
</tr>
</tbody>
</table>

1. Other wavelengths on request.
2. Expected output power. Can varies based on current and temperature.
3. Specification are subjected to chips availability.
4. Voltage from the power supply must be higher, as due to high current there will be a voltage drop in the cables.
5. Pitch dependent

### Macro channels

Our patented solder-free technology is used in our diode bars stacks; no water obstructions thanks to the use of macro-channels.